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ABSTRACT

Part of a project to teach Inupiaq culture and language, the teacher's guide contains 18 lessons about survival. The lessons focus on survival on ice, water, and land; hunting gear; fall and early winter weather; emergency shelters; landmarks; traditional clothing; land and water transportation; first aid; search and rescue; sewing; traditional food preparation and preservation; land and sea animals; maintenance and repair of snowmachines and outboard motors; and navigation by natural environment compass. Each lesson is presented in tabular form and contains five activities. For each activity the table contains a list of new Inupiaq vocabulary, a brief paragraph describing the activity, possible resources, and a reference to teaching materials. At the end of each lesson is a form for the teacher to evaluate the lesson, note whether the objectives were taught and were important, and indicate necessary changes. (SB)

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Iñupiaq Cultural Enrichment Program
Junior High - High School

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Junior High — High School

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17. Outboard Motor - Maintenance and Repair
18. Navigation - Natural Environment Compass

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Sikuliaq Ivuniq Muġaliq Ivu Piqaluyak Quppaq	1 Recognizing Ice Conditions a. The resource person can introduce the different forms of ice to the students. b. Use related media to reinforce the concepts of ice developed by the resource person. Be certain to encourage the students to answer questions about the different forms of ice.	Harold Kaveolook Roxy Ekowana	See book poster Nunauraq Tagiukun pages 8-16
Tagiuq Qailliq Iŋiuliik Qaisagnaq Qailliqpak Ulit	2 Recognizing Water Conditions a. Before the lesson collect a fan and large dish of water and a toy boat. Group the students around the pan, place the toy boat in the pan. Discuss boating. Then, turn on fan to make waves. Encourage the students to talk about the water conditions. b. The resource person can discuss tide with the students.	Resource person talk to students about tide.	See book Tagiuq pages 1-6 Use Teachers' Addition
Uivviaq Piqaluyak Apun Tagiugniq Imiq Niuqqaq Qallun Niuqqiun Silakkuagun Silakkuagvik	3 Drinking Water on Land and Sea a. A resource person should talk to students about the different forms of drinking water used traditionally. b. Use related materials (media) to reinforce the concepts of drinking water on land and sea. c. Freeze 2 trays of ice cubes. One salty, one fresh and have students identify salty cubes from the others. For added spice the students can taste the cubes. The students should know salt water is not as good as fresh water for washing clothes.	Resource person discuss how drinking water was obtained.	Use posters Nunauraq Tagiukun When We Get Our Drinking Water. New book by Harold Kaveolook

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Review vocabulary	4 a. Review vocabulary with students. Discuss the meanings of the words. Students begin making personal dictionaries using vocabulary terms. Provide students with blank booklets (prepared by Materials Development Center). Students should add vocabulary words to their books. They each design covers for the books. What type of dictionary - noun? Write on picture in Iñupiaq to English definitions.	Introduction outline what you want to do with dictionary. Pictures should be done in advance or the students draw pictures.	Supply of blank books that are bound containing 49 pages. (48 pages for words and 1 page for cover)
Review vocabulary	5 a. Show Netsilik film Explain to students that Netsilik are Canadian Eskimos who live on the coast near Hudson Bay. Discuss film with students. Encourage the students to notice the different ways that people survive on ice and water. Field trip.		Netsilik film

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

Survival on Land (Early Fall or Late Spring)

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Nuna Ikpik Iġġich Kuuk Manigaurat Narvat Piŋu - k - t	1 Different Land Forms a. Introduce vocabulary using Harold Kaveolook's workbooks. b. The students can make land form models with papier mache'. Review vocabulary terms during this activity. The papier mache' land forms can be made on a large table. When dry, the display should be painted with the land forms labeled.	Roxy Ekowana See book - Manna Nunaga Harold Kaveolook's book See Art Department for pottery materials	Book - Survival on Land Alaska Magazine on land sections Clay, glass containers, sod, sand, food coloring for models
Nanmaun Tupiq Siugruk Ikun Annugaat Tuŋiutit Satkut Niqit Niġiñiutit Uqsruq Pauk Akłunaaq Qukłuk / Ayak	2 Make a scrap book about hunting gear. Title it, Hunting Preparation Book. To develop the book, discuss the contents that would be appropriate. A resource person can assist with the detailed information.		See book Traditional Hunting Gear by Pete Sovalik or Pictures and terms Flash cards Magazines Blank pages by Print Snop
Quŋullich Masu Quaqqat Quaġaġruaq Uqpik Pilġaurat Tiŋauraq Puyuġliqi Nigukkaq argaiġñat - (mushrooms)	3 (Call in advance Field trip to NARL) or collect samples of "pilgaurat" or "tiŋauraq". Give demonstrations or show they are used for starting a formation of smoke.	Samples of pilgaurat and tiŋaurat	Niqivut Alaska Magazine for edible plants. Incense Puyuġliqi - to start a formation of smoke.

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Qisuk Qunŋuq Nigiq Uŋalaq Qayuqłak Qimuagruk	4 Descriptions of words with pictures. Have students go for a short field trip by water lake with school vehicle to let them identify sno-patterns, wind directions and cloud formations. A resource person can be asked to accompany you on the outing.	Navigation S-18 Tape by Roxy Ekowana	Book Direction Finding by Roxy Edowana S-4 tape
Review on vocabulary words	5 Review of all of what the students have studied; different land forms, hunting gear, starting a fire, edible plants and wind directions. Hang Man game - a review of all words studied. The students should be able to define the vocabulary words.	Questions should be already done.	

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VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Kuvraq Ammuktuun Illaqtuun Akłunaaq Tuuqpak Mitiŋiun Kuvraliuġunnat Puktaġutit Uyaġaich Ayauppiq Nuluk	1 a. Have the resource person demonstrate the making of a net. Individual students can practice the steps in making a net. Introduce Iñupiat terms to describe the process. b. Make a book by preparation and making of net - a step by step book. Each student can make a book and he/she should add the text.	Resource Person Roxy Ekowana See Pete Sovalik's Hunting Equipment	Natchiqsiuġniq Materials of making net. Films Natchiq The use of seal, food, skin, clothing Natchiqsiuġniq Kuvraqtuqługich
Niuqqiun Utkusik Silaavyiun Puggutaq Ipuligauraq Aluuttautit Immiqsuun Kakiuraq Tuuq Qallun Siuġruk Aluuttaq Ikun / Savik	2 a. Introduce the utensils and their uses. b. Drill on names of each utensil. c. Have a mock meal. Serve some simple food items. d. How to start the coleman stove. Demonstrate with a stove, without fuel. What fuel does it use. Practice using vocabulary, 2 times. Bring samples of utensils.		Sample of each utensil Coleman stove
Savik Uluaqtuun Ikumman - gas Anauttaq Nanigiaq Sigraaq Naqitaġun Ayak	3 a. Introduce each tool and its uses. b. Drill on the names of the tools in the tool box. c. Tell students how a tent is set up. d. Have a person demonstrate the pitching of a tent. Take the students outdoors for this activity.	S-3 Tape by Roxy Ekowana How to set up tent - what to bring on camping trip.	Tool box and tools

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Satkut Qaġruuraqtuun Satkuun Supputipiaq Pakigaġnaq Qairaġaq Suppun Qaġruq Pisiksi Illuun Qiḷamitaun Unàaq Paugiyaun Natquq Suluugauraq	4 a. Introduce different types of guns (use book or flash cards). b. Introduce parts of a bullet - itiġrukpak, natquq, qaġruq. c. Drill on the types of guns, parts of bullets, etc. d. Project - Making an "illuun" or "qiḷamitaun". Each student can make an "illuun".	Satkut - S-3 Tape by Roxy Ekowana	See books related to weapons Piece of skin (naluaq) String Bones for making sling
Annuġaat Siḷaŋŋaaq Ikuvgat Puuġriñgaq Review	5 a. Visit to hunters home. Have him show the students his hunting gear. The hunter can show how each item in his gear is used. b. If possible, the hunter could tell the children about hunting in the old days, and the gear that was used before store items were available. Make a puuġriñgaq - satkuun.		Cloth Dental Floss Needles and Pattern

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I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Sila Silaqluk Silagiksuq Anuqliq Kanagnaq Unalaq Nigiqpaq Kiluagnaq Ikagnaq Anjiñigrak	1 a. Use recess to check the weather conditions. "Is the wind blowing, which direction? Snowing? Raining? Good or bad weather? b. Check weather temperature daily. c. Make chart of weather condition and description. Iñupiaq and English.		See related books on Weather Harold Kaveolook's book on Weather
Annugaat Aitqatik Atutik Tuttullak Aliqsik Atulaak Ugrullak Atigi Naqsiurac Tavsiuraq Qatignisi Pualuk	2 Types of Clothing to use in Weather Conditions a. Introduce vocabulary related to clothing. b. Practice clothing terms with students. c. Set up a clothes line in the classroom and hang the clothes. Use the clothes line for additional language drills related to vocabulary words.		See book Annugarriugniq Clothing sample
Iglu Qiiyanaq Uunnaq Siku Apun Kutit Kaniq Ailaq Appuyyaq Aqilluqqaq	3 a. Describe the vocabulary words and their uses. b. Take a Field Trip to see and note old houses and the different types of weather conditions. c. Make a snowhouse with the students.		Iñupiat Suvat? Iñupiat Igluni Apuyyaq Book maqpigaat iglutigun qanusilimaat 10 X 12 saviuraqtuun piksrun uluaqtuun

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Tupiq Uunnaak Sialuk Miñik Taktuk Qauniq Siqiññaaġiksuq	4 a. Describe each wind and what weather conditions it holds. b. Take the students on an overnight camping trip (this can be arranged for a specific night). c. The students can make a report on their camping trip later.		
Mitqun Ivalu Ammich Tikiq Niuliñġat Uliusiñaaq Qivrat Atuŋautik	5 Sewing project - aitqatit, atutit		Skins Clover needles Dental Floss Thimble Pattern

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I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Apuyyaq Apun Uluaqtuun Saviuraqtuun Piksrun Nutaġaq Pukak	1 a. Have students check snow. b. Find where to put up "killiġun". c. Describe the words with pictures and when it is used. d. Make a model of apuyyaq. e. Write a report of the steps of making an apuyyaq. Late fall - winter		Materials used for making killiġun Styrofoam Apuyyaq Book
Uquuttaq Qiruich Ukiłhaaq Akłunaaq	2 a. How to put up uquuttaq. b. Describe why they use it. c. Seen them at nalukataq time. d. Make an "uquuttaq". e. Write a report of the steps of making an uquuttaq.		
Ivrulik Igalaaq Nuna - ivruq Qukłuk Ayak Qiŋaq	3 a. Visit an old sod house. b. Describe the words and use pictures. c. Make a model of "ivrulik", if materials are not available use substitutions. d. Write a report on the steps of making an "ivrulik". (Early fall) Obtain sod before freeze-up.		Nuna Qiruich See book on Sod House by Harold Kaveolook

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Itchalik Tupiġauraq Aqvaluq Qanak Amiq Aqła Paa - entrance	4 a. Describe the words and use pictures. b. Make a model of "Itchalik". c. Learn all words in printed and visual form. d. Write a report on the steps of making an itchalik, when and how it is made and used.		Iñupiat Suuvat? material used for making itchalik by Pete Sovalik
Qargi Kasimavik Qitigvik Niġiñiaġvik Aġġivik Savagvik	5 a. Describe the words and use pictures. b. Make a model of qargi. c. Do a play of utilizing the qarqi. d. Write a report of the steps of making a qarqi and why the importance of a qargi.		Book Iñupiat Suuvat?

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I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Upiŋġaami Taġiuq Siñaani Taġium siñaa Aġviġluat Umiaqtuq Mitailaq Ulit	1 a. Field trip by boat. b. Describe what vocabulary words mean and what conditions to look for. c. Resource person show them the directions until imprinted in the students minds. d. Check to see if they know what direction the wind is coming from. e. Check the ocean tide.		Look at ocean chart
Nuvuk Niksiuraq Piġniq Imiqpak Iłuvġich Igluqpauraq Nuvuġauraq Akunniq Utqiaġvik	2 a. Resource person can tell the history of these coastal places. b. The students can make a list of important historical landmarks and what is hunted in the area. c. The students can add names to their dictionaries Along Coast.		See Traditional Names from Pt. Barrow to Peard Bay (along the coast). Have a copy of map along the coast
Nuna Ikpik Kuuk Narvaq Piŋu Qimiqqat Kuuġuq	3 a. The students can make land marks on the travel route showing how to get to a certain hunting area.	Find resource person to tell how to get to a certain place.	Colored Pencils 11 X 17 Sheet Paper

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Nigiqpaq Unalaq Kiluagnaq Kanagnaq Sila Uvlugiat Atchagniq	4 a. Field trip to beach. b. Check the ocean tides. c. Description of words and conditions they should be aware of.		
Review vocabulary words	5 a. Have students point out these areas, ocean and coastal land marks - Spring May or April. b. The students can add vocabulary words to their dictionaries.		Sno-machine Food Sled gas Clothing Coleman stove

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I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Ukiumi Sikumi Sikuqpak Tuvaq Quppaich Qamun Uniaġaq Apqun	1 a. Describe and know the meanings of vocabulary words. b. What conditions to be aware of. c. Check temperature daily. d. Make a field trip to look at ice conditions. e. Review the ice conditions. f. Make map using the vocabulary words.	Winter Isummatiksrat Ukiumi Tammaqtuamun	
Ivuniq Ivungich Puktaaq Sikuliaq Qaiqsuaq Qaigiitchuaq Uiñiq Sarri Sagraq Ignigṅaq Iiguaq tagium siñaa	2 a. Students list ice formation while teacher reads the story to the students. b. Label a map of ice formation on a poster. c. Make ocean chart.	Vincent Nageak Isummatiksrat Ukiumi Tammaqtuamun	Book Uisauruaq Tagiumi Tapes on How to Survive on Ice by Vincent Nageak Poster of Ice formation by Harold Kaveolook
Kuugauraq Narvaqpaq Iġġi Qikiqtaq	3 a. Continuation of maps and posters. b. The students can add vocabulary words to their dictionaries.	Isummatiksrat Ukiumi Tammaqtuamun	

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Ukiaq Ukiumi Nunakun Qamun Uniaġaq Apun Apqun Quvyugaġnaq Taktuk	4 a. Description of words and conditions they should be aware of. b. Prepare for field trip and a chart of where they are going. c. Make report of the field trip.		
Upiŋġaksraq Upiŋġaaq Nunakun Umiaqtuq Qamutit Mitaiḷaq Init Kuugich Illuksi	5 a. Field trip on sno-machine. b. Prepare warm clothes to wear. c. Description of words and conditions they should be aware of. d. Make report of the field trip. e. Resource person show them different land marks.		

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VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Atigi Kamipiaq Quliksaak Aitqatik Atulaak Naqsiuraq Kamitqiutit Qusuŋŋaq Pualuk Tuttullak Atutik	1 a. Describe and know the meanings of vocabulary words. b. What conditions to be aware of. c. Have students make a list of what is needed to make the projects and to make necessary preparations, patterns, etc. Make continuations off and on.	Do a survey on who wants to make aitqatik, tuttullak, piñiq or atutik.	See book Annuġarriuġniq Ammiñiñ Patterns for aitqatik, atutik
Ugrullak Isiktuuk Piñiqqak Iqaqłak Pauŋŋaak Ipiallak Ulitchuiłak Quṣuŋŋaq Qaġliik Natchiaġruuk	2 a. Introduce the vocabulary words. Read book Annuġarriuġniq Niġrutit (first half). Make a pattern on how to make the projects (the order or sequence)	Traditional Bring materials to class	See book Annuġarriuġniq Niġrutit Amiŋiññiñ
Piñiq Akłunaaġruaq Piñiq - made from ivik Caribou piñiq Baleen shavings	3 Begin the projects Baleen shavings are the most water proof and warm. Springy. Make piñiq models to see how they are made and how they can be used. See if their parents know how to make some of these materials. Report it to class.	Foot gear insoles	Continue to collect materials Akłunaaġruaq String Materials for piñiq

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Silaŋŋaaq Ipiallak Iqaqłak Piñiqqak	4 a. Introduce the terms of vocabulary words. b. Read Second half of book. c. Continue making pattern materials	Water proof clothing	Continue to collect materials
Aŋuniaġunnat Annuġaat Makkaq Aniq	5 a. Describe and know the meanings of vocabulary words. b. Continue the dictionary. c. Care of skins - caribou, sealskin, piñiq. Summer clothing	Resource person talk about care of skins. Warmth factor.	Needles Dental Floss Thimble Iñupiat Suuvat? book

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I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Quppiġaaq Atikłuk Nasautaq Argaak Aitqatik Qaliġuuraq Quŋusiġun Kiapiġuq Tavsi	1 a. Introduce new terms. b. Cut out and paste with written terms from magazines, Sears, etc. Catalogs to be included in the dictionary.	Outer clothing	Annuġarriuġniq Nigrutit Ämiŋiññiñ
Atulaak Uviñġuq Ilupiġuk Ataraak Tiġiksraq Kamikłuuk Kammak Ataraaġruak	2 a. Introduce new terms. b. Continue clothing project on to the dictionary.	Inner clothing Resource person from NARL to compare insulating materials. Down Sleeping Bag Caribou Sleeping Bag	Catalogs Magazines
Qiviut- Annuġaat Puuksraak Pualu Kiapiġuq Quppiġaaq Quliksaak Atulaak Kiiñaġuq Uligruaq Akisi	3 a. Introduce new terms. b. Continue project.	Down clothing Resource person from NARL to compare insulating materials. Down Sleeping Bag Caribou Sleeping Bag Contemporary clothing	Catalogs Magazines

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Ilupaaq Siḷaŋŋaaq Ipiallak Pauŋŋaak	4 a. Introduce new terms. b. Continue project.	Rain gear Sialuksiutit	Catalogs Magazines
Review vocabulary words into dictionary	5 Finish dictionary work from last two weeks. Review vocabulary words.		

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Uniaṭ Kiavḷuutak Naqitaġun Naqitaqpik Qitigaaġun Anut Pauktaun Niksikpak Aglu	1 a. Introduce the meanings of vocabulary words. b. Make models of "uniat" or cut and sew harnesses.	Find someone who knows how to make harnesses. Materials Canvas Cloth Gunney sack webbing Needles Sewing Machine Thread Model for sled and dogs Heavy cardboard	Canadian films and media Taimani Igliġutit Maqpigaat 1 Lumber for sled and Runners Rope
Skidoos Trucks Cars Bicycle Tricycle Hondas 3-Wheelers Odyssey Jeeps Tractors	2 a. Describe the meanings of vocabulary words. b. Field trip - prepare the class by discussion, etc; and take a walk around the village to see what transportation is used today.	Contemporary transportation	Films on transportation on land
Nanmau Nanmaun Tagraq Ukamaq Pisukataaq Ukamaun Kiavḷuaq Uniutaq - ugruk-rope	3 a. Describe the meanings of vocabulary words. b. Review the vocabulary words.		

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Choice of vocabulary words for scenic picture	4 a. Describe the meanings of vocabulary words. b. Students make scenic picture for wall decoration, murals shows the traditional transportation used.		Drawing paper Colored Pencils Crayons
Pisukataaq Nanmaun Suppun Savik Qaġruq	5 a. Describe the meanings of vocabulary words. b. Take a hike (nanmau) bring the necessary things for trip.		Uunaqtuaqaġvik Food Utensils Matches Suppun Shells

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VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Tiŋilġai Tiŋilġautaq Napaqsraq Aquun Ipun Tiŋilġaqsiq	1 a. Describe and know the meanings of vocabulary words. b. Make models of "umiaq" "umiaqhiuraq" "aŋuun" "tiŋilġautaq"	Resource person demonstrate how to make model for umiaq aŋuun Resource person for wood crafts shop	Balsom wood or draw models Glue Savik Dental Floss
Qayaq Paaġutik Ukamaq Ukamaun	2 a. Describe and know the meanings of vocabulary words. b. Read book about transportation on land and water. c. Draw a model of "qayaq".		
Umiaq Tagraq Ataaq Arguq Umiaqhiuraq Aŋuun Apun Siku	3 a. Describe and know the meanings of vocabulary words. b. Where to get drinking water. c. Field trip by umiaq to Point or monument.		

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Igniligauraq Igniqun Aquun Sivu Aqu	4 a. Describe and know the meanings of vocabulary words. b. Take a field trip and see where the igniligauraq is. c. Have the students draw a mural. d. List parts of the boats or study parts of umiaq.		See diagram of umiaq.
Review of all the words	5 a. Describe and know the meanings of vocabulary words. b. Make a report on what they have studied and learned.		

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I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Mamitaq Tuqulluksaun Tuqunaq Iirġat/iiraġat Kappun Nipirrun Akigaun Qiqsutaq Ayauppiak Siñigvik Nimmaaġun	1 a. A resource person can demonstrate the vocabulary words. b. Set up activities with the resource person.	Iñuunniaqti Munaqsri North Slope Borough Department Firemen Sarah Jacoby	Maratchich Medicine
Qiqitiq Qiqinniq Iyguq or ilguq Qaurimaiq Kakiḷaruq Immak Iñuuruq Tuquruq	2 Camping out on trail. Freezing Make a list of do's and don'ts of frostbites. Discuss the prevention of frostbites.	Resource person demonstrate North Slope Borough Department Firemen Sarah Jacoby	First Aid Films
Kiḷḷiq Supputinniq Aunaaq Aniqtiġi Aniqsaaqtitkaa Kiliqsuq Iligraktuq Naŋirrun Qiluqqich	3 Different Types of Wounds Set up activities with the resource person.	North Slope Borough Department Firemen Sarah Jacoby	53

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Navgi Niaqquaq Quttuaq Quŋusiñaaq Niuggaaq Talliaq Pamiuġayyuaq- Argaurraaqtuq	4 Broken Bones Discuss improvising methods - what available materials can be used to a splint, used as a stretcher.		
Review vocabulary words	5 Put new words in the dictionary.		

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Ivaqłiq Tammaq Nunami Tagiumi Uisau Ivaqłia Paqitkaat Paqinnaitkaat Taimmau	1 a. Introduction to vocabulary words. b. Students: List of Do's and Don'ts if you are lost. What to do if your skidoo broke down. What to do or what not to do. Look at map - knowledge of maps - memorize the place names in Iñupiaq. (Landmarks)	Students label the land marks on map in Iñupiaq. Names of Search and Rescue personnel	Maps of the North Slope area. Order: BLM Fairbanks Nageak's tape on currents.
Siłaqłuk Taktuk Nuviyaich Siłagiksuq Anugiqłuk Qannik Quvyugagnaq Natigvik	2 Plan of Search, possible radios of person how long since last seen. Method of search by sno-machine, etc. Will people communicate from villages? Is there a way of communications? Flare signaling to alert people. Person in charge of search and rescue.	Weather Condition Explain to students how they start Search and Rescue. Day and Night? Ocean and Land Police Chief	
Skidoo Uniat Uqsruq - fuel Ugsrugruaq/oil Flashlight Qulliq Siugruk Irrigruaq Tupiq Tinnun Puuksraaq Ikun	3 Select student (or resource person) to talk about their experiences when they got lost. How to signal to a plane for help - fire, bullet flare, etc.	Search on Land If person has frozen feet. What to do?	Tapes on emergency shelters by Nageak

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Qayaq Umiaq Tiŋŋun Imaaq Uisau Ipi Nigaq Manaq Niksik	4 How to communicate from village to report or request help? (Dragging for bodies with nets). Resource person (hunter) talks about Land marks and ocean land marks.	Search on Sea River	Okpeaha's Uisauruaq Tagiumi book Nageak story
Review of vocabulary	5 Search for plane crash What to do if you are the only person alive on a plane crash. How does a plane search cover an area when searching.	Students plan a rescue for activity	Alaska Magazine for stories

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Miquq Mitqun Ivalu Tikiq Amiq Kilu Mitqutiqaġvik	1 Tell how it is very important to bring these items whenever one is out camping, in case they are stranded for some reason.		Tuttut Aminiñnin book
Aitqan Amiq Ivalu Tikiq Mitqun Iliktiġun Kimaliuraq Sallisik	2 Make mittens: a. Demonstrations on how to cut out pattern. b. Cut out from pattern. c. Sew mitten together.		Lamb Skins Moutons Caribou Needle Dental Floss Thimble
Atun Amiq Ivalu Tikiq Mitqun Iliktiġun Kimaliuraq Timi Isiġaq Tugnaaq Alu	3 a. Make patterns for individuals sizes. b. Talk about the parts of the pattern like: timi, isiġaq, tugnaaq, and alu. c. Cut out from patterns. d. Sew and put together.		See book Tuttut Aminiññin

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Tuttullak Niut Tuŋnaaq Alu Ukiulliq Ikuun Ikuk	4 Have students observe the demonstration.	Have one lady demonstrate how tuttuliks are made	See Tuttut Aminiññiñ book
Review	5 Review vocabulary words. Describe and know meanings of vocabulary words. Continue sewing projects.		

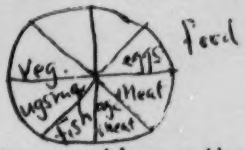
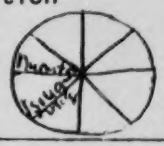
EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Paniqtaq Tuttu Iqaluk Ugruk Quaq Avataqpak Kiniqtaq Quaqłak	1 a. Teacher tells how paniqtaq is cut in strips for drying. b. How racks are made for paniqtaq. c. What do you do with dried meat when it rains? List name of animals preservation  Tuttu Nunataq Piġuraq  Food preservation method chart food types.	Paniqtat	Teachers' edition Niqivut Food preparation chart and preservation. Animal Picture - words
Quaqłak Tuttu Iqaluk Aġviq Tuktaq Isivanniq Patiq	2 a. Talk about how the food is stored in the cellar. b. Read Teachers' edition Niqivut and talk about how food is preserved. Do not expose frozen food to sun. Do not take dead carcass for food.	Quaq	See Teachers' edition Niqivut Ice cellar Freezing of meat
Kivviiruq Aġviġnik Isivanniqsii-ruq Piġuraq-freeze Nunatat Tuktaq Niviŋŋaqtat Siġluaq Silu - natchiq aivig, ugruk Maktaaq	3 a. Talk about how the food is preserved in snow, nuna, etc. b. How long is it left there? Piġuraq, nunatat, tuksi. Talk about how poisonous this meat is. (silu) Cooked and stored seal poke.	Preservation	

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Masu Quaqqat Quŋullich Quaġagruat Asiat Aqpik Paungat Kavlagruat Kimmigñat	4 Read and talk about how edible plants are preserved.	Edible plants Tea	See Teachers' edition Niqivut
Review vocabulary words	5 Review vocabulary words that are to be put in the dictionary.		

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Natchiq Ugruk Agviq Nanuq	1 Students bring strips of uqsruq to render in pots. The liver of polar bear is poisonous. Cooked maktak is preserved in avataqpak.	Uqsruq	
Akutuq Akutchi Qaunnaq Niqi Uqsruq Asiaq Igitit	2 Students bring tuttu fat for the ingredients. Demonstrate how to prepare the fat, meat. Make a recipe for akutuq.		Puggutaq Qaunnaq
Piḷak Siquvsi Qaḷḷak Taliġuq Niaquq Sitquq Kuutchiñaak Kiasiḳ Kuyapigaq Aqiaviñiq Uliusiñaaq	3 How animals are cut for preparation. Bring seal and put in class with the students. How is the seal skin cut out to prepare for boots, etc.		Seal Ulu Ipiksaun Plastic tarp Cardboards Videotape crew to film

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Manniich Uglu Pialaaq Iññuk	4 List and describe different birds' eggs that are good to eat. Where do you find them? How eggs were preserved? Boiled and put in avaqtaqpak. Field trip to NARL to see different birds' eggs.	Have teacher find someone that can identify different eggs	Iñupiaq list of animals Call NARL ahead of time.
Review vocabulary words	5 Finish projects, i.e.: Charts Recipe Dictionary		

EVALUATION

Evaluation/Comments

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I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Nanuq Natchiq Aġviq (types) Ugruk Aiviq Qilalugaq Aġviġluaq Aaġlu Kanayuq Qasigiaq - types of seals	1 Begin to make maps of where the main animals are found. Each map show the range, resting, breeding age to size. How long does it live, physical characteristic. Hunting area, recognizing tracks of animals, picture of animal.	Life cycle of animals	List of Arctic Animals Animals of Alaska See Pete Sovalik's list of Animals Qupquġiaq
Iqaluk Iqalusaaq Iqalugaq Iżhuagniq → Salt water Iqalukpik Iqalugruaq Amaqtuq Pagmagrak Iqaluaqpak Nataaġnaq	2 Continuation of maps: Include in maps the names of the fish, description. Range - where it can be found - lakes, rivers, oceans Life history commercial Subsistance and sport fishery	Fish	Animals of Alaska
Imaniq Ipiksaunnaq Qupilġuq Qupilgugruaq Igliġaq Argauraq Nipitchaq Puyyuġiaq Putuguqsiuyuk Irituuŋŋiq	3 Describe to students how a walrus gets its food, what uses are its tusks. What are its behavior. Hunting: what time of the year are they hunted by different village area.	Ocean worms	Animals of Alaska

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
	4 Describe to students how the whale gets food in its mouth. (plankton)	Plankton Irituuŋŋiq	See High School Science Books (Teacher) Tape by Pete Sovalik Ocean Animals and Plankton
Review vocabulary words	5 Continuation of maps: List each animals' habitat.		*Fill in list from Pete's list.

EVALUATION

Evaluation/Comments

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I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Nanuq Nannuk Nannut Nanuayaaq Nanuayaak Nanuayaat Malġuqqak Atiqtaġiich Naammiaġiich Piŋayuqqat Atiqtak	1 a. Describe and know meanings of vocabulary words. b. Show film on "Rhoda Nageak" skinning a Polar Bear. c. Field Trip to NARL Zoo. d. Transcribe a tape on animals.		See book Niġrutiŋich Nunapta See related Materials Hunting on Sea Ice
Aġviq Aġvigluaq Qiḷalugaq Aaġlu Iŋutuq Qairaliq Iŋutuvak Usiŋŋuatchiaq Isiŋŋuatchauraq Tuugaalik	2 a. Describe and know meanings of vocabulary words. b. Show film on "Law of our Fathers" or show film on "Whaling".		See book Aġviq See film "Law of our Fathers" See film on "Whaling"
Natchiq Natchik Natchiich Iviauq Aiviq Aivvak Aivġich	3 a. Describe and know meanings of vocabulary words. b. Show film on "Canadian Eskimo" - Netsilik" Field trip to ice to set up a seal net.	Resource persons: Joshua Sakeagak Vincent Nageak	Related books - Natchiqsiuġniq Niġrutiŋich Nunapta Akłunaaliugniq Natchium Amianiñ Netsilik movie Natchiqsiuġniq

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Imaniq Puyyuġiaq Ikpiagruk Nipitchaq Ipiksaunnaq Qupilġuġruat Igliġaq	4 Field trip to the beach to see how many qupilġuq they can identify.		See related films See book Niġrutiŋich Nunapta See - Taġiuq
Iqaluk Iqalugaq Pagmagrak Kanayuq Iqalukpik Iqalugruaq Siiġruaq Iłhuaġniq Nataagnaq Amaqtuq	5 Listening to tape by Pete Sovalik on Ocean Animals and Planktons. Aŋun Aŋuniaqtuaq Taġiumi Movie of Canadian Eskimos of Fishing		See related materials and books Niġrutiŋich Nunapta Atuqtuaq Kanayuq Iqaluk

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
akłaq amaġuq qavvik iggaġri umiŋmak Tuttuvak	1 Description of different animals (color, size, and what they eat, where they live). Talk about uses of vocabulary words: ikuvġaq, isiġvik. Tell how wool is used out of musk ox hair. (How hats, scarfs, sweaters are made)	Collect magazines or order back Issues of Alaska National Geographic	Look up books on any of these animals for more information.
Kayuqtuq Qiangaq Qiangaqtuluk Qiġñiqtaq Tigiganniaq Niutuiyiq Pisukkaaq	2 Tell how these animals had been used by our ancestors for trading when there used to be no jobs available.	Have a hunter demonstrate to students on how to set a trap outside.	Niġrutiŋich Nunapta p. 16. A study of Land Use Values through time. All about Foxes p. 166-167.
Kiŋaġluk Pałuqtaq Kivgaluk Ukalliq Siksrikpak Siksrik Aviŋŋaq Ugruŋnaq	3 Tell importance of care in skinning pelts, so you do not tear the skin or cut it with knife, keeping clean as much as possible. Importance of stretching a pelt as much possible. The cost of pelt depends on size and of its care, and of primeness. Describe and know meanings of vocabulary words.		↓

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Ukpik Nipaiłuktaq Qiŋalik Aġnaviaq Aqargiq Tulugaq Tiŋmiaqpak Isuŋŋaq Nauyaq Auksruaq Oupalupiaq Tuttuvak	4 Describe and know meaning of vocabulary words. Word Game. Memorize the names of animals and have the students match the word cards that are written in English and Iñupiat.		Birds - A Study of Land Use and Values p. 168 Make word cards of animals in English and Iñupiaq.
Review vocabulary words	5 Describe and know meanings of vocabulary words. Cut and paste animal pictures for dictionary.	Review previous lessons	Review previous lessons

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
igniqun aullaqtitaun nannich aquun uqsruqaġvik ignaktautik (spark plug) uniutaq qimugvik matu aksraligautit skiis (siargi- rautik aglu - (track)	1 Bring snowmachine, shop and service manuals.	Manual for skidoo Resource Person Drive Componant	Service Manual
savalġutit ikłiġvik iguvsiñ spark-plaiyaun uniat naqitakpik kaluutaq sigraaq tupiq	2 List all the things that are necessary to bring on a snomachine trip. Tools, sno-machine parts, food/cooking utensils, etc.	Fuel ignition componant	
alġiraq aullallaiq- salummaq salumaitchuq quaqsaalaitchuq uqsruitchuq ignaktuq ignalaitchuq uuktuaq igniqurraq	3 Discuss electrical parts of the sno-machine.	Electrical componant	

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
kalivit kalivri turaa-gurraaq skii-gurraaq navik quayaqisaq sialġi saniuġruk kataktaq Puu-kiurraaq tavsiurraaq	4 Discuss comtemporary parts of the sno-machine.	Contemporary parts	
Review vocabulary words	5 Add new vocabulary words to the dictionary.	Review previous lessons.	Review previous lessons.

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
igniqun pitchiġiiyaun aŋuutit aullaqtitaun uqsruqaġvik quaqsaaġun (spark plug) aquun uqsrum nalautirrutaa (carburetor) savaluutit	1 Bring outboard motor manual. Spend each day to talk about each componant. Discuss the vocabulary terms with the students.	Take students to shop. Outboard manual Resource person	
igniqusiuq igniqusiuqtaq aullallaiqsuq imiqaqtuq salumaitchuq quaqsaalaitchuq quaqsaallaruq nutqaqtuk ignalaitchut uqsruitchuq igniqurraq uqsruiqsuq	2 List all things that are necessary to bring on boat trip. Tools, outboard motor parts, food/cooking utensils, etc.	Fuel ignition componant	
umiaq igniqutiqaġvik aŋuutit iputik ipurvik ukamaun akłunaaq uqsruq puktan	3 Discuss electrical parts of outboard motor.	Electrical componant	

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Tools kiŋmautik iguvsiñ agiun- kautauraq niuqtuun kiŋmiaq	1 Discuss contemporary parts of outboard motor.	Contemporary parts	
Review vocabulary words	2 Add new vocabulary words to the dictionary.	Review previous lesson	Review previous lesson
	3		

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
anuġi nigiq kanagnaq uŋalaq kiluagnaq ukiumi irrailuġaaq- anayaṅaq qasuaq anuġakłi anuqqakkaa	1 Introduce vocabulary words to the students. Record wind direction each day in Iñupiaq terms. Have the students be able to identify the 4 common wind directions.	Field trip to any villages or camping areas. Tape by Roxy Ekowana on Navigation	Order compasses Big blow up maps of land forms
apun qayuqłak qimuagruk ivgich supiaqługich qamaniq arguq	2 Using the map have students identify the directions of each North Slope villages from Barrow. Outside - have students identify the snow forms. Show them the angle to cut the snow drifts to get to a certain place or villages.	Talk about the sun to find your directions, or moon/stars.	Saviuraqtuun Apun - Harold Kaveolook Thinking about directions - Roxy Ekowana
nuvuyat qisuk ukiumi qunŋuq uvluġiaq tuttuġruk - big dipper siqiñiq northstar uiñiq suŋauraaq - taktuk kavialaaq	3 Have students draw pictures using the names of the cloud covers. Showing the season of cloud forms. Identify the stars and the "bigger dipper" Tuttuġruk	Trace route for travel by ocean, rivers on boat. Tape - S-18	Apuyyaq Art paper, Colored pencils

VOCABULARY	ACTIVITIES	RESOURCES	TEACHING MATERIALS
Land Forms narvat takinmun kuugich ikpik manigaurat	4 Group students to identify the land forms from Barrow like iviksuk, uqpiqsuu, atqasuk	Bring a resource person to figure out the land marks. Figure out land marks on both season, winter and summer. Tape S-18	
qaqsrauq qaugaich *aaqhaallich	5 Possibly a field trip to certain places to identify land forms. Review vocabulary words to the students to determine the students understanding of the terms.		

EVALUATION

Evaluation/Comments

I would change the following:

I taught these objectives ☐ Yes ☐ No

I think these are important objectives ☐ Yes ☐ No

END OF DOCUMENT